

**Wednesday 1 February 2012 – Afternoon**

**GCSE PSYCHOLOGY**

**B543/01** Research in Psychology

Candidates answer on the Question Paper.

**OCR supplied materials:**

None

**Other materials required:**

None

**Duration:** 1 hour



Candidate forename		Candidate surname	
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Centre number						Candidate number				
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**INSTRUCTIONS TO CANDIDATES**

- Write your name, centre number and candidate number in the boxes above. Please write clearly and in capital letters.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Answer **all** the questions.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Write your answer to each question in the space provided. If additional space is required, you should use the lined page at the end of this booklet. The question number(s) must be clearly shown.
- Do **not** write in the bar codes.

**INFORMATION FOR CANDIDATES**

- The number of marks is given in brackets [ ] at the end of each question or part question.
- The total number of marks for this paper is **40**.
- This document consists of **8** pages. Any blank pages are indicated.

**SECTION A – PLANNING, DOING AND ANALYSING RESEARCH**

Answer **all** questions.

**The Source**

A psychologist wanted to investigate whether there are gender differences in the way males and females communicate.

The psychologist used an opportunity sample of two men and two women to take part in her research. Participants were invited to her laboratory to take part in a group discussion. She sat in the room with the participants watching and recording the number of times they hesitated and interrupted each other.

The results from the observation are shown in the table below:

**Table 1**

The total number of hesitations and interruptions shown by males and females.

<b>Verbal communication</b>	<b>Males</b>	<b>Females</b>
Interruptions	9	28
Hesitations	20	6

1 Give the aim of the study in the Source.

.....  
..... [1]

2 State an alternate hypothesis for this study.

.....  
.....  
.....  
..... [2]

3 Outline **one** problem with the sample used in this study.

.....  
.....  
.....  
..... [2]

4 State **one** other sampling method the psychologist could have used other than opportunity sampling.

..... [1]

5 Using the data in the Source (Table 1), identify which type of verbal communication was used most by males.

Tick **one** box to show your answer.

Hesitations  Interruptions  [1]

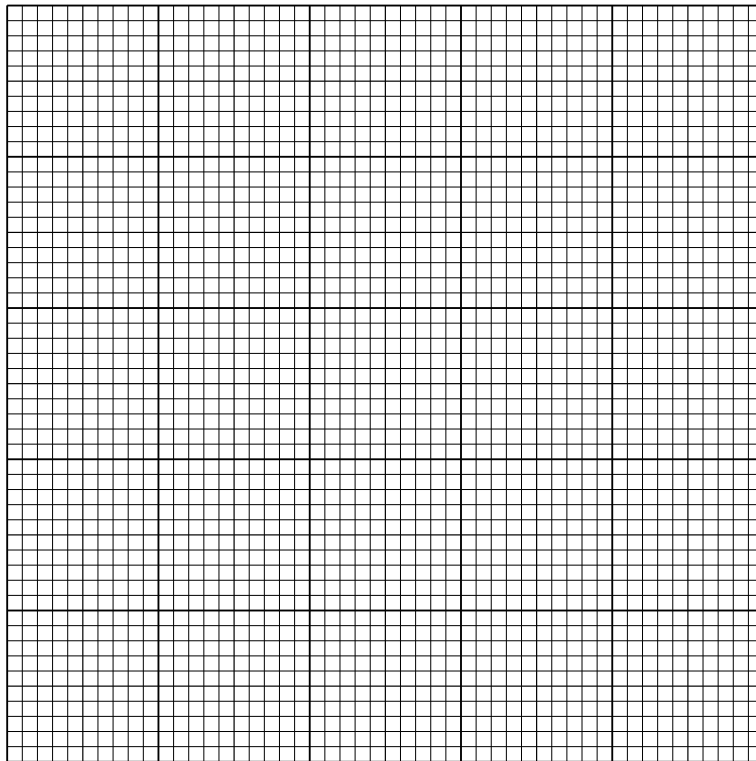
6 The psychologist collected quantitative data from her observation.

State what quantitative data is.

..... [1]

7 Using the data in the Source (Table 1), draw and label a bar chart to display the results of this study.

Use the space below.



[4]

8 The psychologist used a non-participant observation.

Explain how participant observations are different from non-participant observations.

.....  
.....  
.....  
..... [3]

9 Reliability can be a problem in observations.

(a) State what reliability is.

.....  
..... [1]

(b) Explain how reliability could be improved in this study.

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.....  
..... [3]

10 The psychologist used an overt observation.

Describe **one** strength of using an overt observation for this study.

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.....  
..... [2]

11 Explain what is meant by the observer effect.

.....  
.....  
.....  
..... [2]

12 The psychologist used an observation. She could have used a case study instead.

Identify **two** features of a case study. Tick **two** boxes to show your answer.

It tests cause and effect.

It involves an in-depth analysis.

It uses qualitative data.

It is carried out on large samples.

[2]

[Total: 25]

**SECTION B – PLANNING AN INVESTIGATION**

You have been asked to carry out a questionnaire to investigate whether the amount of sleep a person has affects their ability to learn. The theory is that if people do not get enough sleep, they do not learn as well as those who do.

Use this space to plan your answer.

**13 (a)** State a hypothesis for your investigation.

.....  
..... [2]

**(b)** Give an example of **one** question you would use and explain why you would use it.

.....  
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.....  
..... [3]

(c) Briefly outline how you would carry out the questionnaire to investigate whether the amount of sleep a person gets affects their ability to learn.

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.....  
..... [3]

(d) Describe **one** ethical issue you would need to consider when investigating the effects of sleep on learning ability in your investigation.

.....  
.....  
.....  
..... [2]

(e) Explain how social desirability may affect the questionnaire in your investigation.

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.....  
..... [3]

(f) Outline **one** strength of using a questionnaire in your investigation.

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.....  
..... [2]

[Total: 15]

**Additional Page**

If you use this lined page to complete the answer to any question, the question number(s) must be clearly shown.

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